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SOURCE Gornyy Zhurnal, No 3, 1949NEW MINING LITERATURE

[Books listed below are not available in CIA.]

Geology

1. Izakson, S. S. "Computing Mineral Resources," second printing, enlarged edition, Leningrad-Moscow, Ugletekhizdat, 1948, 356 pp, 5,000 copies. Price, 26 rubles.

Classification of contours and documentary evaluation of resources. Methods and technique for computing the resources for various types of minerals and deposits. Methods for evaluating the reliability of industrial methods for computing the size of deposits, utilization of economical and labor saving devices; simple methods for evaluating the extent and conditions of deposits.

2. Structure of Mineral Rocks, Vol III, "Metamorphic Rocks," Yu. I. Folovinkina, N. F. Anikeyeva and A. Ye. Komarova, Moscow-Leningrad, Gosgeologizdat, 1948, 308 pp. including illustrations, 5,000 copies. Price, 24 rubles.

Volume III consists of atlas of the known structures and textures of metamorphic rocks. It also contains a section similar to an encyclopedic dictionary on terminology.

3. "Industrial Requirements for Quality of Raw Materials" (Handbook for Geologists). Editorial Board: V. S. Veselovskiy, G. G. Gudalin and others. Moscow-Leningrad, Gosgeologizdat, 1948.

Issue No 53, "Indium," E. P. Libman, 20 pp, 4,000 copies. Price, 1 ruble.

Issue No 55, "Cobalt," N. V. Gudima and G. A. Krutov, 60 pp, 4,000 copies. Price, 2 rubles 50 kopeks.

Issue No 57, "Germanium," E. P. Libman, 20 pp, 4,000 copies. Price, 1 ruble.

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All three of the above-mentioned booklets are arranged according to a basic general plan and describe the properties and characteristics of the subject metals, etc.

4. Glazkovskiy, V. A. "Basic Tasks and Methods for Studying the Material Composition of Ural Ores," Zapiski Ural'skogo Geologicheskogo O-va (Works of the Ural Geologic Society), No 1, 1948, pp 76 to 91.

Most important tasks and methods for studying the material composition of Ural iron ores. Discusses copper, aluminum, nickel, and cobalt ores as well as ores found in ancient weathered regions.

#### Blasting Operations

5. "The KA-2M-300 Drilling Rig, Instructions for Its Maintenance and Operation," Moscow, Gosgeologizdat, 1948, 20 pp, with illustrations, 2,000 copies.

6. "The KAM-500 Drilling Rig, Instructions for Its Maintenance and Operation," Moscow, Gosgeologizdat, 1948, 24 pp, with illustrations, 2,000 copies.

7. Kubelov, B. "Development Trends for Blasting Operations in the USSR," Moscow, Promstroyizdat, 1948, 280 pp with illustrations, 4,000 copies. Price, 15 rubles.

Highlights of the development of blasting technology in the USSR. Basic problems of the theory and practical application of blasting: theory of the computation of blasts, cumulation of charges, test blasting, problem of gas formation, safety explosives, etc.

8. Tarasov, L. Ya. "The Driller in Operations for Developing Deposits" (Textbook for Technical Schools), Moscow, Glavspetsavetmet, 1948, 107 pp, with illustrations, 2,000 copies.

Basic data on geology. Information on mineral rocks. Methods for drilling test cores. Equipment used in pneumatic drilling. Operation and maintenance of drilling rigs. Safety measures for the driller. Methods for preparing the location for the driller.

#### Development of Ore Deposits

9. Agoshkov, M. I. "Determining Productivity of a Mine," Moscow, Metallurgizdat, 1948, 272 pp, 3,000 copies. Price. 15 rubles.

Methods for determining the productivity of mines. New methods for determining the annual yield of metal mines.

10. Voroshilin, I. R. "Laboratory Tests on Mining Equipment," Methodological Handbook for Students of Laboratory Assignments at Sverdlovsk Mining Institute, Moscow, Ugletekhizdat, 1948, 54 pp with illustrations, 800 copies. Price, 3 rubles.

Laboratory assignments for studying drilling equipment, mine combines and excavators.

11. Dzasokhov, A. Kh. "Instructions on Methods for Controlling the Ventilation of Mines and Tunnels," Moscow, Glavspetsavetmet, 1948, 48 pp with illustrations, 1,500 copies.

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Basic factors which have to be taken into account when planning the improvement of mine shaft and tunnel ventilating systems.

12. Kramarev, B. "Metal Props for Horizontal Workings," Moscow, Ugletekhizdat Zapadnogi, 1948, 28 pp, with illustrations, 3,000 copies. Price, 2 rubles.

Quality and dimensions for metal props. Types of metal props which are now being manufactured. Organization of the prop setting operations in a mine.

#### Mine Transport and Haulage

13. "The PML-4 Loading Equipment, Instructions for Its Operation and Maintenance," Krivoy Rog, "Kommunist" Factory, 1948, 55 pp, with illustrations.

14. Savin, G. N. "Dynamic Theory for Making Computations on Mine Haulage Cables," Doklady Akademii Nauk UkrSSR (Reports of the Academy of Sciences, Ukrainian SSR) 1948, No 4, pp 32 - 40.

Formulas for computing the stability and durability of cables used for mine haulage.

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